

CARDIAC RHYTHM MANAGEMENT SYSTEM AND METHOD

Abstract

A system and method for cardiac rhythm management, which includes an
5 electrode system having at least one electrode and control circuitry coupled to the
electrode system from which a first cardiac signal is sensed. The control circuitry
includes a pulse circuit to produce electrical pulses at a first value to be delivered to the
electrode system in a first cardiac region. At least one cardiac signal is sensed from a
second cardiac region, where the cardiac signal includes indications of cardiac
10 depolarizations from the second cardiac region which occurs in direct reaction to the
electrical pulses delivered to the first cardiac region. The first value of the electrical
pulses are then modified by a pulse adjustment circuit when a cardiac depolarization
which occurs in direct reaction to the electrical pulse delivered to the first cardiac region
is detected from the second cardiac region.

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